



CONSTRUCTION EQUIPMENT

634484 ALTA RENTS VOLVO L70H 623714 - HYDRAULIC SYSTEM



Sample No: VCP430598
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 634484 ALTA RENTS



SAMPLE INFORMATION

Sample Number	VCP430598	VCP412630	VCP408211	---
Sample Date	21 Nov 2023	16 Aug 2023	29 Mar 2023	---
Machine Hours	3717	3333	2744	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	51.4	51.4	52.2	---
Acid Number (AN)	mg KOH/g	1.19	1.35	1.42	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		1210	1876	1503	---
Particles >6µm		276	359	194	---
Particles >14µm		18	29	11	---
ISO 4406:1999 (c)		17/15/11	18/16/12	18/15/11	---
Silicon	ppm	18	17	18	---
Sodium	ppm	0	4	2	---
Potassium	ppm	7	3	2	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	3	2	<1	---
Copper	ppm	3	2	<1	---
Lead	ppm	5	3	1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	2	<1	2	---
Chromium	ppm	<1	0	0	---
Molybdenum	ppm	24	22	24	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	<1	0	---



ADDITIVES

Calcium	ppm	1726	1693	1646	---
Magnesium	ppm	82	81	83	---
Zinc	ppm	943	884	894	---
Phosphorus	ppm	727	750	777	---
Barium	ppm	0	0	0	---
Boron	ppm	36	39	34	---

Depot: VOLVO0096
Unique No: 10764984
Signed: Jonathan Hester
Report Date: 01 Dec 2023

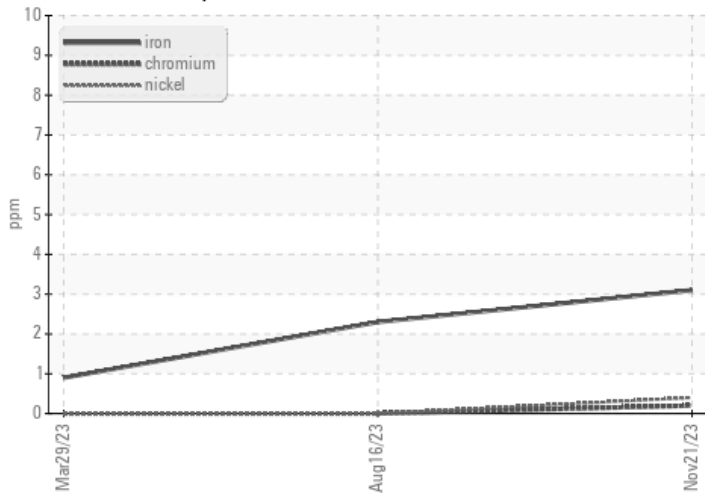


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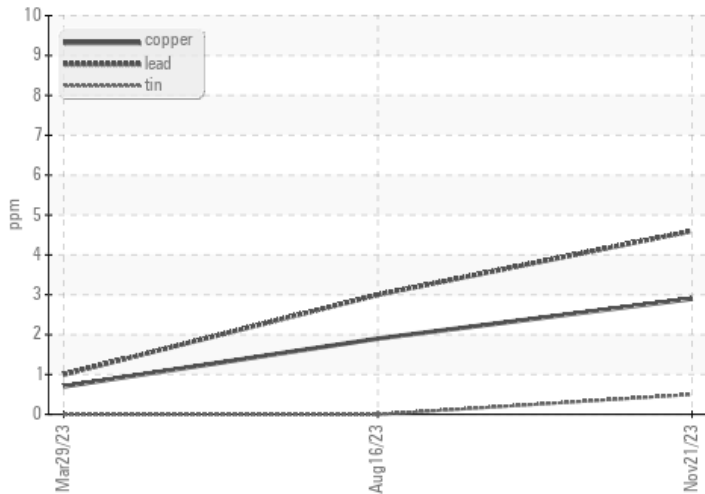


GRAPHS

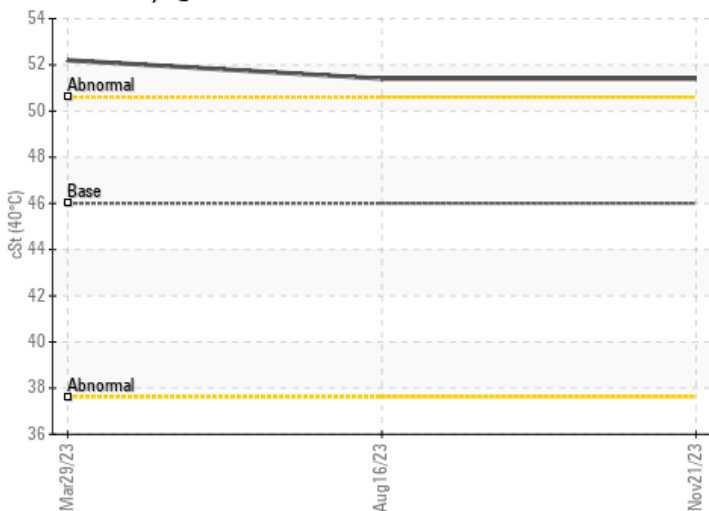
Ferrous Alloys



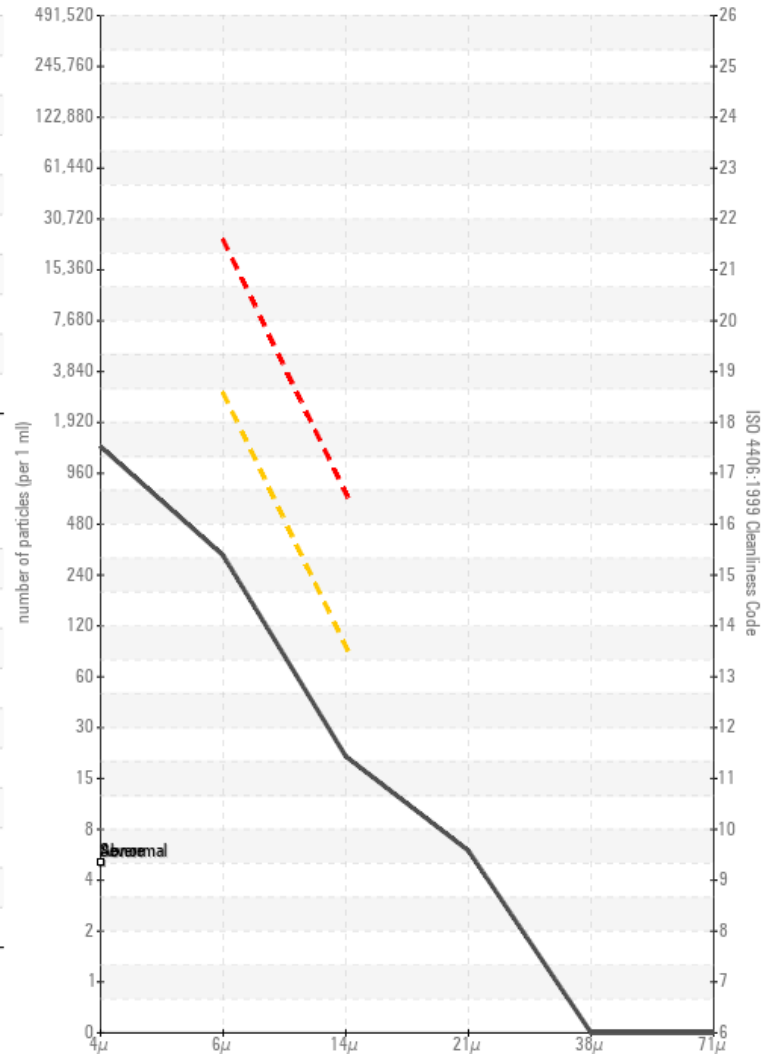
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

